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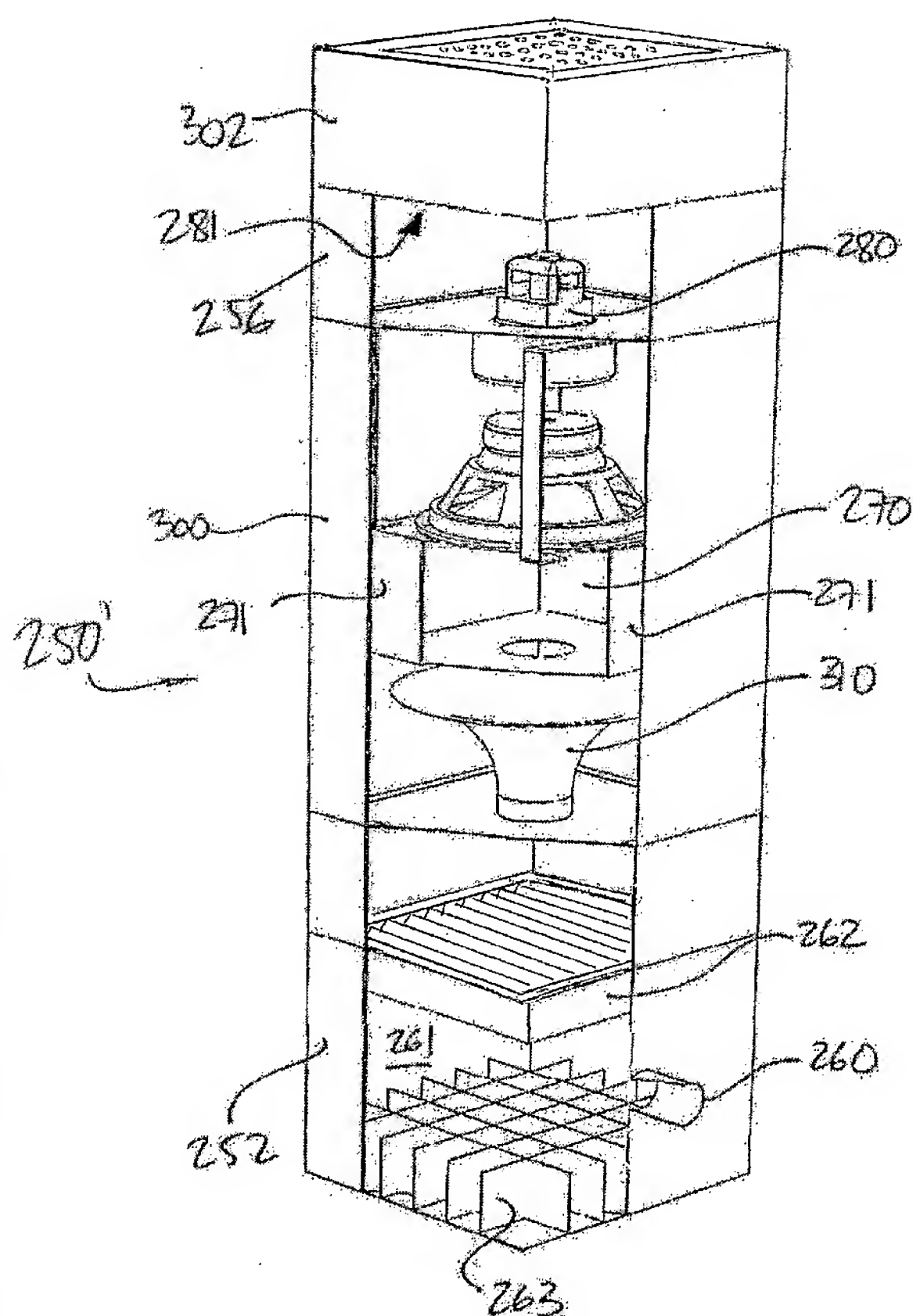
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(54) Title: GAS FILTRATION SYSTEM AND FILTER CLEANING METHOD



(57) Abstract: An apparatus (10, 200, 250, 250') for filtering par-
ticulates from a gas, comprising a casing (22, 24, 202) defining an
inner cavity having an inlet (30, 210, 260) adapted to receive a flow
of gas, such that gas enters the inner cavity, and an outlet (40, 231,
281) through which gas exits the inner cavity. A filter (32, 213,
262) is associated with the outlet (40, 231, 281) such that gas exit-
ing the inner cavity through the outlet (40, 231, 281) passes through
the filter (32, 213, 262). The filter (32, 213, 262) is adapted to re-
tain particulates beyond a predetermined size from a gas flowing
therethrough. A back-pulse generator (42, 223, 270) is positioned
downstream of the filter (32, 213, 262). The back-pulse generator
(42, 223, 270) is adapted to cause a reverse flow of gas through the
outlet (40, 231, 281) and into the inner cavity of the casing, so as to
dislodge a portion of the particulates retained in the filter (32, 213,
262) into the inner cavity.



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